

WHAT IS CLAIMED IS:

1. A device for selecting an electrophoresis band of interest from a plurality of bands on an electrophoresis lane of a sample, the device comprising:

a display unit for displaying an image of the plurality of bands established on the lane;

a region setting unit for setting a region on the lane on a screen of the display unit;

a region altering unit for altering the size of the region;

a selection candidate displaying unit for displaying bands within the region in a selection candidate state; and

a band selecting unit for processing the bands in the selection candidate state to be in a selection state.

2. A device for selecting an electrophoresis band according to claim 1, wherein the region setting unit sets the region on the lane by setting an input cursor of a pointing unit on the lane at the center, and the region altering unit alters the size of the region in accordance with the press of a predetermined key of a keyboard.

3. A device for selecting an electrophoresis band according to either one of claims 1 and 2, further comprising a band information displaying unit for displaying the number of bands in the selection candidate state relative to the region.

4. A device for selecting an electrophoresis band of interest from a plurality of bands on an electrophoresis lane of a sample, the device comprising:

a display unit for displaying an image of the plurality of bands established on the lane;

a region setting unit for setting a region on the lane on a screen of the display unit;

a selection candidate displaying unit for displaying one of the bands within the region, in a selection candidate state;

a selection candidate display altering unit for altering the band in the selection candidate state to a band immediately before or after the former band along the lane; and

a band selecting unit for processing the band in the selection candidate state to be in a selection state.

5. A device for selecting an electrophoresis band according to claim 4, wherein the region setting unit sets the region on the lane based on a position of an input cursor of a pointing unit on the lane, the selection candidate displaying unit displays a band closest to the input cursor in the selection candidate state, and the selection candidate display altering unit alters the band to be displayed in the selection candidate state in accordance with the press of a predetermined key of a keyboard.

6. A device for selecting an electrophoresis band according to either one of claims 4 and 5, further comprising

a region altering unit for altering the size of the region in accordance with the press of a predetermined key of the keyboard.

7. A device for selecting an electrophoresis band according to any one of claims 4, 5 and 6, further comprising a band information displaying unit for displaying information of the bands displayed in the selection candidate state relative to the region.

8. A method for selecting an electrophoresis band of interest from a plurality of bands on an electrophoresis lane of a sample, the method comprising the steps of:

setting a region on the lane based on an input cursor of a pointing unit placed on the display of the lane having a plurality of bands;

displaying bands within the region in a selection candidate state;

altering the size of the region in accordance with an key input of a predetermined key of a keyboard, as well as altering states of bands that became included in the region as the result of the size alteration from a normal state to the selection candidate state and states of bands that fell out from the region as the result of the size alteration from the selection candidate state to the normal state; and

displaying selected bands of the bands in the selection candidate state in a selection state in response to a selection input.

9. A method for selecting an electrophoresis band of interest from a plurality of bands on an electrophoresis lane of a sample, the method comprising the steps of:

    setting a region on the lane based on an input cursor of a pointing unit placed on the display of the lane having a plurality of bands;

    displaying a band within the region, which is closest to the input cursor, in a selection candidate state;

    altering the band in the selection candidate state to a band immediately before or after the former band along the lane in accordance with the press of a predetermined key of a keyboard; and

    processing the band in the selection candidate state to be in a selection state.